



Please type a plus sign (+) inside this box

COPY OF PAPERS
ACKNOWLEDGED

PTO/SB/82 (10-00)

Approved for use through 10/31/2002. OMB 0651-0035
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Handwritten: 9-19-02 #14

REVOCATION OF POWER OF ATTORNEY OR AUTHORIZATION OF AGENT	Application Number	09/730,056
	Filing Date	December 5, 2000
	First Named Inventor	Kramer, James F.
	Group Art Unit	3736
	Examiner Name	Hindenbunrg, Max F.
	Attorney Docket Number	021360-003330US

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application:

☒ A Power of Attorney or Authorization of Agent is submitted herewith.

OR

☐ Please change the correspondence address for the above-identified application to:

☐ Customer Number 20350 →

Place Customer Number Bar Code Label here

OR

<input type="checkbox"/> Firm or Individual Name					
Address					
Address					
City					
Country		State		ZIP	
Telephone		Fax			

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.

Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

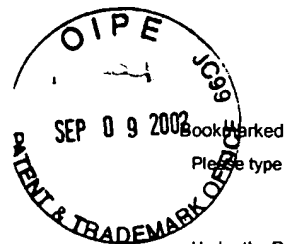
RECEIVED
SEP 13 2002
TECHNOLOGY CENTER R3700

SIGNATURE of Applicant or Assignee of Record	
Name	Victor Viegas
Signature	<i>Victor Viegas</i>
Date	August 26, 2002

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☐ *Total of _____ forms are submitted.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.
SF 1376455 v1



COPY OF PAPERS
GENERALLY FILED

Please type a plus sign (+) inside this box → +

PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

POWER OF ATTORNEY OR AUTHORIZATION OF AGENT	Application Number	09/730,056
	Filing Date	December 5, 2000
	First Named Inventor	Kramer, James F.
	Title	Determination of Finger Position
	Group Art Unit	3736
	Examiner Name	Hindenburg, Max F.
	Attorney Docket Number	021360-003330US

I hereby appoint:

☒ Practitioners at Customer Number **20350**
AND

Place Customer
Number Bar Code
Label here

☒ Practitioner(s) named below:

Name	Registration Number
Jian Ma	48,820
Stuart D. Smolen	42,161

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☒ The above-mentioned Customer Number.

OR

☐ Practitioners at Customer Number

<input type="checkbox"/> Firm or Individual Name					
Address					
Address					
City		State		ZIP	
Country					
Telephone		Fax			

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name	Victor Viegas
Signature	<i>Victor Viegas</i>
Date	August 26, 2002

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☐ *Total of forms are submitted.

RECEIVED
SEP 13 2002
TECHNOLOGY CENTER RPT00



COPY OF PAPERS
ORIGINALITY

PTO/SB/96 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Attorney Docket No. 021360-003330US

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: James F. Kramer

Application No./Patent No.: 09/730,056

Filed/Issue Date: December 5, 2000

Entitled: Determination of Finger Position

Immersion Corporation, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

August 26, 2002

Date

Victor Viegas

Typed or printed name

Victor Viegas
Signature

President, COO & CFO

Title

RECEIVED
SEP 13 2002
TECHNOLOGY CENTER R&D

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this paper and the documents and/or fees referred to as attached therein are being deposited with the United States Postal Service on August 21, 2002 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR §1.10, Mailing Label Number EK860305050US, addressed to the Box Assignments, Commissioner for Patents, Washington, DC 20231.

Signed:

Kellyanne Y. Ebisui
Kellyanne Y. Ebisui

**ASSIGNMENT RECORDATION COVER SHEET
- PATENTS ONLY -**

EK860305050US

To: Commissioner for Patents

Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies):
a) **Virtual Technologies, Inc.**
2. Name and address of receiving party(ies):
a) Name: **Immersion Corporation**
Address: **801 Fox Lane**
San Jose, CA 95131
3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: **August 31, 2000**

4. Patent Numbers, Application Numbers & Titles: **SEE ATTACHED APPENDIX A**
5. Please send all correspondence concerning this (these) document(s) to:

Jian Ma
IMMERSION CORPORATION
801 Fox Lane
San Jose, CA 95131
Tel. No.: (408) 467-1900

6. Total number of applications and patents involved: **27**
7. Total fee (37 CFR 3.41): **\$1,080.00**

- ☒ Enclosed
☐ Authorized to be charged to Deposit Account No. 50-1815
☒ Charge any additional fees or credit overpayment to Deposit Account No. 50-1815 (Order No. VTIG001).

8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: **August 21, 2002**

Jian Ma
Jian Ma
Registration No. 48,820

COPY

ASSIGNMENT OF PATENT APPLICATION
(Not Accompanying Application)

Whereas Virtual Technologies, Inc., a California corporation with a place of business at 801 Fox Lane, San Jose, CA 95131-1601, owns all right, title and interest to certain new and useful improvements for which have been executed applications for United States Letters Patents as set forth in the patents and patent applications listed in the attached APPENDIX A.

The undersigned duly authorized representative of Virtual Technologies, Inc. hereby:

- 1) Sell(s), assign(s) and transfer(s) to Immersion Corporation, a Delaware corporation having a place of business at 801 Fox Lane, San Jose, CA 95131, (hereinafter referred to as "ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, application(s) (including foreign applications) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the patents and patent applications listed in the attached APPENDIX A.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said applications or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said applications and patents, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications and patents.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representative, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that Virtual Technologies, Inc. has not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

COPY

Virtual Technologies, Inc.

Victor Viegas
Signature

Victor Viegas
Printed Name

Chief Financial Officer
Title

August 19, 2002
Date

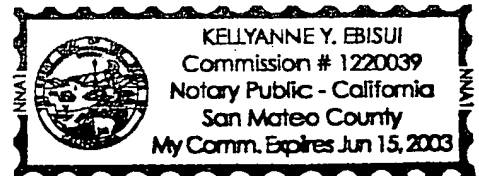
COPY

State of California)
County of Santa Clara)
_____)

On this 19th day of August, in the year 2002, before me, Kellyanne Y. Ebisui,
Notary Public, personally appeared Victor Viegas, ~~personally known to me or~~ proved to me on
the basis of satisfactory evidence to be the person whose name is subscribed to the within
instrument, and acknowledged to me that he/~~she~~ executed the same in his/~~her~~ authorized
capacity(ies), and that by his/~~her~~ signature on the instrument the person, or the entity/~~ies~~ upon
behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Kellyanne Y. Ebisui



(SEAL)

COPY

COPY

APPENDIX A

Title	Application/Patent No.	Filing/Issue Date
Force Feedback and Textures Simulating	5,184,319	February 2, 1993
Force Feedback and Textures Simulating	07/929,895	August 10, 1992
Force Feedback and Textures Simulating	5,631,861	May 20, 1997
Force Feedback and Textures Simulating	6,059,506	May 9, 2000
Force Feedback and Textures Simulating	09/439,766	November 15, 1999
Determination of Kinematically Constrained Multi-Articulated Structures	07/909,570	July 6, 1992
Determination of Kinematically Constrained Multi-Articulated Structures	5,676,157	October 14, 1997
Determination of Kinematically Constrained Multi-Articulated Structures	6,162,190	December 19, 2000
Determination of Kinematically Constrained Multi-Articulated Structures	09/730,056	December 5, 2000
Determination of Thumb Position Using Measurements of Abduction and Rotation	5,482,056	January 9, 1996
Accurate, Rapid, Reliable Position Sensing Using Multiple Sensing Technologies	5,592,401	January 7, 1997
Accurate, Rapid, Reliable Position Sensing Using Multiple Sensing Technologies	5,930,741	July 27, 1999
Accurate, Rapid, Reliable Position Sensing Using Multiple Sensing Technologies	6,148,280	November 14, 2000
Accurate, Rapid, Reliable Position Sensing Using Multiple Sensing Technologies	09/712,046	November 13, 2000
Forearm-Supported Exoskeletal Hand-Tracking Device	6,104,379	August 15, 2000

Forearm-Supported Exoskeletal Hand-Tracking Device	09/565,907	May 5, 2000
Goniometer-Based Body-Tracking Device and Method	6,050,962	April 18, 2000
Goniometer-Based Body-Tracking Device and Method	6,428,490	August 6, 2002
Force-Feedback Interface Device for the Hand	6,042,555	March 28, 2000
Force-Feedback Interface Device for the Hand	6,413,229	July 2, 2002
Exoskeleton Device for Directly Measuring Fingertip Position and Inferring Finger Joint Angle	6,110,130	August 29, 2002
Exoskeleton Device for Directly Measuring Fingertip Position and Inferring Finger Joint Angle	09/565,730	May 5, 2000
System and Method for Constraining a Graphical Hand from Penetrating Simulated Graphical Objects	09/432,362	November 3, 1999
System, Method and Data Structure for Simulated Interaction with Graphical Objects	09/675,811	September 29, 2000
Interface for Controlling a Graphical Image	09/837,860	April 17, 2001
Real Time Determination of Simulated Interactions for Large Systems	09/912,434	July 24, 2001
Position Sensor with Resistive Element	09/894,985	June 27, 2001

COPY